

CLAIMS

1. "ARRANGEMENT INTRODUCED IN AN ELECTRONIC DEVICE FOR THE IDENTIFICATION OF APPAREL ARTICLES WITHIN THE PRODUCTION CHAIN ", presented in two constructions or proposals, both consisting of a body of button 5 (1) of plastic material which is nailed following a conventional method to the base of the button (2); the model also discloses a metal locking pin (3) which is also fixed by a conventional method to said button body (1), fixing between them the cloth (T) of the apparel article; in which a first construction consists of the creation of a placement (4) between said button body (1) and the base of the button (2), in which a previously hot encapsulated assembly 10 by plastic film is located, formed by a ring antenna (5) and a silicon chip (6) laterally located near said antenna (5), i. e. near its internal edge; from this encapsulation, a central hole, results for passing an engineering plastic plug (7) formed by body with a compatible diameter to said hole, being said plastic plug (7) provided with a terminal circular flap (8) of smaller diameter located in a hole (9) provided central and concentrically on the base of the 15 button (2), thus resulting in an opening (10) between the walls of said hole (9) and said terminal circular flap (8) given by a small diameter difference; the silicon chip (6) stores data through programmed codes in a logical sequence containing a fixed code to identify the apparel article and a flexible code to save complementary information on said apparel article.

2. "ARRANGEMENT INTRODUCED IN AN ELECTRONIC DEVICE FOR THE IDENTIFICATION OF APPAREL ARTICLES WITHIN THE PRODUCTION CHAIN" of claim 1, in which, in a second construction, the model eliminates the plastic plug, so that the button body (1) is now made of engineering plastic; said construction keeps the placement (4), as well as the plastic encapsulation of the assembly consisting of the antenna (5) and silicon chip (6); while said button body (1) forms a circular guide (11)

which is concentric to said antenna (5) plus chip (6) assembly, with said terminal circular flap (12) playing exactly the role of the flap (8) of the previous construction, thus configuring an opening (10) between the internal walls of the base of the button (2) and the circular flap (12).